IN THE CLAIMS

Claim 1. (currently amended) An information processing apparatus, comprising:

a generator operable to generate, when continuous reproduction from a first AV stream to a second AV stream is commanded, a third AV stream and address information as information pertinent to said third AV stream, said third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream and being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

a recorder operable to record said third AV stream and said address information generated by said generator; wherein said third AV stream maintains continuity to achieve a seamless playback.

Claim 2. (currently amended) The information processing apparatus according to claim 1, wherein an arrival time stamp of said source packet of said first AV stream is continuous with an arrival time stamp of a first source packet located at a leading end of said third AV stream, and an arrival time stamp of said

source packet of said second AV stream is continuous with an arrival time stamp of a second source packet located at a trailing end of said third AV stream.

Claim 3. (currently amended) The information processing apparatus according to claim 2, wherein a sole discontinuous point exists in said arrival time stamp of said second source packet in said third AV stream.

Claim 4. (original) The information processing apparatus according to claim 2, wherein said address is determined so that a data portion of an AV stream previous to a source packet specified by said information on said address of said source packet of said first AV stream is located in a continuous area of not less than a preset size on a recording medium.

Claim 5. (original) The information processing apparatus according to claim 2, wherein said address is determined so that a data portion of an AV stream subsequent to a source packet specified by said information on said address of said source packet of said second AV stream is located in a continuous area of not less than a preset size on a recording medium.

Claim 6. (original) The information processing apparatus according to claim 2, wherein said third AV stream is generated so that said third AV stream is located in a continuous area of not less than a preset size on said recording medium.

Claim 7. (currently amended) An information generating method, comprising:

generating, when continuous reproduction from a first AV stream to a second AV stream is commanded, a third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, said third AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, and

generating address information as information pertinent to said third AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; wherein said third AV stream maintains continuity to achieve a seamless playback.

Claim 8. (currently amended) A recording medium having recorded thereon a computer-readable program for generating information, said program comprising:

generating, when continuous reproduction from a first AV stream to a second AV stream is commanded, a third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, said third AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, and

generating address information as information pertinent to said third AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; wherein said third AV stream maintains continuity to achieve a seamless playback.

Claim 9. (canceled)

Claim 10. (currently amended) An information processing apparatus, comprising:

a reproducing unit operable to reproduce a recording medium having recorded thereon a first AV stream, a second AV stream, a third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, and address information as information pertinent to said third AV stream, said third AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

a controller operable to control said reproducing unit for switching reproduction from said first AV stream read out from said first AV stream to said third AV stream and from said third AV stream to said second AV stream, based on said information pertinent to said third AV stream, read out from said second unit; wherein said third AV stream maintains continuity to achieve a seamless playback.

Claim 11. (currently amended) An information processing method, comprising:

reproducing a recording medium having recorded thereon a first AV stream, a second AV stream, a third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, and address information as information pertinent to said third AV stream, said third AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

controlling said reproducing step for switching reproduction from said first AV stream readout-controlled ~~from said~~in a first readout controlling step to said third AV stream and from said third AV stream to said second AV stream, based on said information pertinent to said third AV stream, readout-

controlled in ~~said~~ a second readout controlling step; wherein said third AV stream maintains continuity to achieve a seamless playback.

Claim 12. (currently amended) A recording medium having recorded thereon a computer-readable program for processing information, said program comprising:

reproducing a recording medium having recorded thereon a first AV stream, a second AV stream, a third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, and address information as information pertinent to said third AV stream, said third AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

controlling said reproducing step for switching reproduction from said first AV stream readout-controlled ~~from said~~in a first readout controlling step to said third AV stream and from said third AV stream to said second AV stream, based on said information pertinent to said third AV stream, readout-controlled in ~~said~~ a second readout controlling step; wherein said third AV stream maintains continuity to achieve a seamless playback.

Claim 13. (canceled)

Claim 14. (currently amended) A recording medium having recorded thereon address information, comprising:

when continuous reproduction from a first AV stream to a second AV stream is commanded, a third AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, said third AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream; and

address information as information pertinent to said third AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; wherein said third AV stream maintains continuity to achieve a seamless playback.